

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/590,304
Source: JFWP
Date Processed by STIC: 09/01/2006

ENTERED



IFWP

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/590,304

DATE: 09/01/2006

TIME: 11:58:14

Input Set : A:\004974.01216 sequence listing.txt

Output Set: N:\CRF4\09012006\J590304.raw

4 <110> APPLICANT: Golz, Stefan
 5 Brueggemeier, Ulf
 6 Geerts, Andreas
 7 Weingaertner, Bernard
 9 <120> TITLE OF INVENTION: Diagnostics and Therapeutics for
 10 Diseases Associated with Glycogen Synthease Kinase 3 Beta
 11 (GSK3B)
 13 <130> FILE REFERENCE: 004974.01216
 C--> 15 <140> CURRENT APPLICATION NUMBER: US/10/590,304
 C--> 15 <141> CURRENT FILING DATE: 2006-08-23
 15 <150> PRIOR APPLICATION NUMBER: EP04004326.7
 16 <151> PRIOR FILING DATE: 2004-02-26
 18 <150> PRIOR APPLICATION NUMBER: PCT/EP2005/001420
 19 <151> PRIOR FILING DATE: 2005-02-12
 21 <160> NUMBER OF SEQ ID NOS: 5
 23 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 25 <210> SEQ ID NO: 1
 26 <211> LENGTH: 1639
 27 <212> TYPE: DNA
 28 <213> ORGANISM: Homo sapiens
 30 <400> SEQUENCE: 1
 31 atcatctata tgttaaatat ccgtgccgat ctgtcttcaa ggagaaatat atcgcttg 60
 32 ttgtttttta tagtatacaa aaggagtcaa aagccaagag gacgaagtct ttttcttttt 120
 33 cttctgtggg agaacttaat gctgcattta tcgttaacct aacaccccaa cataaagaca 180
 34 aaaggaagaa aaggaggaag gaaggaaaag gtgattcgcg aagagagtga tcatgtcagg 240
 35 gcggccccaga accacccctt ttgcggagag ctgcaagccg gtgcagcagc cttcagctt 300
 36 tggcagcatg aaagtttagca gagacaagga cgccagcaag gtgacaacag tggtgccaa 360
 37 tcctgggcag ggtccagaca ggccacaaga agtcagctat acagacacta aagtgattgg 420
 38 aaatggatca ttttgtgtgg tatataaagc caaactttgt gattcaggag aactggtcgc 480
 39 catcaagaaa gtattgcagg acaagagatt taagaatcga gagctccaga tcattgaaaa 540
 40 gctagatcac tgtaacatag tccgattgcg ttatttcttc tactccagtg gtgagaagaa 600
 41 agatgaggc tatcttaatc tggctgtgg ctatgttccg gaaacagtat acagagttgc 660
 42 cagacactat agtcgagcca aacagacgct ccctgtgatt tatgtcaagt tgttatatgt 720
 43 tcagctgttc cgaagtttag cctatatcca ttccttggaa atctgccatc gggatattaa 780
 44 accgcagaac ctcttggatc atcctgatac tgctgtatta aaactctgtg actttggaaag 840
 45 tgcaaagcag ctggcccgag gagaacccaa tgttcgtat atctgttctc ggtactata 900
 46 ggcaccagag ttgatcttg gagccactga ttatacctt agtatacgatg tatggctgc 960
 47 tggctgtgtg ttggctgagc tggtactagg acaaccaata tttccagggg atagtgggt 1020
 48 ggatcagttg gtagaaataa tcaaggccctt gggactcca acaaggggagc aaatcagaga 1080
 49 aatgaacccaa aactacacag aatttaaatt ccctcaaatt aaggcacatc cttggactaa 1140
 50 ggattcgtca ggaacaggac attcacccctt aggagtgcgg gtcttccgac cccgaactcc 1200
 51 accggaggca attgcactgt gtagccgtct gctggagtat acaccaactg cccgactaac 1260
 52 accactggaa gcttgtgcac attcattttt tgatgaatta cgggacccaa atgtcaaact 1320

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53 accaaatggg cgagacacac ctgcactttt caacttcacc actcaagaac tgtcaagtaa 1380
54 tccacctctg gctaccatcc ttattcctcc tcatacgatcg attcaaggcag ctgttcaac 1440
55 cccccacaaat gccacagcag cgtcagatgc taatactgga gaccgtggac agaccaataa 1500
56 tgctgcttct gcatacgctt ccaactccac ctgaacagtc ccgagcagcc agctgcacag 1560
57 gaaaaaaccac cagttacttg agtgtcactc agcaacactg gtcacgttt gaaagaatat 1620
58 taaaaaaaaaaa aaaaaaaaaa 1639
60 <210> SEQ ID NO: 2
61 <211> LENGTH: 433
62 <212> TYPE: PRT
63 <213> ORGANISM: Homo sapiens
65 <400> SEQUENCE: 2
66 Met Ser Gly Arg Pro Arg Thr Thr Ser Phe Ala Glu Ser Cys Lys Pro
67 1 5 10 15
68 Val Gln Gln Pro Ser Ala Phe Gly Ser Met Lys Val Ser Arg Asp Lys
69 20 25 30
70 Asp Gly Ser Lys Val Thr Thr Val Val Ala Thr Pro Gly Gln Gly Pro
71 35 40 45
72 Asp Arg Pro Gln Glu Val Ser Tyr Thr Asp Thr Lys Val Ile Gly Asn
73 50 55 60
74 Gly Ser Phe Gly Val Val Tyr Gln Ala Lys Leu Cys Asp Ser Gly Glu
75 65 70 75 80
76 Leu Val Ala Ile Lys Lys Val Leu Gln Asp Lys Arg Phe Lys Asn Arg
77 85 90 95
78 Glu Leu Gln Ile Met Arg Lys Leu Asp His Cys Asn Ile Val Arg Leu
79 100 105 110
80 Arg Tyr Phe Phe Tyr Ser Ser Gly Glu Lys Lys Asp Glu Val Tyr Leu
81 115 120 125
82 Asn Leu Val Leu Asp Tyr Val Pro Glu Thr Val Tyr Arg Val Ala Arg
83 130 135 140
84 His Tyr Ser Arg Ala Lys Gln Thr Leu Pro Val Ile Tyr Val Lys Leu
85 145 150 155 160
86 Tyr Met Tyr Gln Leu Phe Arg Ser Leu Ala Tyr Ile His Ser Phe Gly
87 165 170 175
88 Ile Cys His Arg Asp Ile Lys Pro Gln Asn Leu Leu Asp Pro Asp
89 180 185 190
90 Thr Ala Val Leu Lys Leu Cys Asp Phe Gly Ser Ala Lys Gln Leu Val
91 195 200 205
92 Arg Gly Glu Pro Asn Val Ser Tyr Ile Cys Ser Arg Tyr Tyr Arg Ala
93 210 215 220
94 Pro Glu Leu Ile Phe Gly Ala Thr Asp Tyr Thr Ser Ser Ile Asp Val
95 225 230 235 240
96 Trp Ser Ala Gly Cys Val Leu Ala Glu Leu Leu Gly Gln Pro Ile
97 245 250 255
98 Phe Pro Gly Asp Ser Gly Val Asp Gln Leu Val Glu Ile Ile Lys Val
99 260 265 270
100 Leu Gly Thr Pro Thr Arg Glu Gln Ile Arg Glu Met Asn Pro Asn Tyr
101 275 280 285
102 Thr Glu Phe Lys Phe Pro Gln Ile Lys Ala His Pro Trp Thr Lys Asp
103 290 295 300

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104	Ser Ser Gly Thr Gly His Phe Thr Ser Gly Val Arg Val Phe Arg Pro			
105	305	310	315	320
106	Arg Thr Pro Pro Glu Ala Ile Ala Leu Cys Ser Arg Leu Leu Glu Tyr			
107	325	330	335	
108	Thr Pro Thr Ala Arg Leu Thr Pro Leu Glu Ala Cys Ala His Ser Phe			
109	340	345	350	
110	Phe Asp Glu Leu Arg Asp Pro Asn Val Lys Leu Pro Asn Gly Arg Asp			
111	355	360	365	
112	Thr Pro Ala Leu Phe Asn Phe Thr Thr Gln Glu Leu Ser Ser Asn Pro			
113	370	375	380	
114	Pro Leu Ala Thr Ile Leu Ile Pro Pro His Ala Arg Ile Gln Ala Ala			
115	385	390	395	400
116	Ala Ser Thr Pro Thr Asn Ala Thr Ala Ala Ser Asp Ala Asn Thr Gly			
117	405	410	415	
118	Asp Arg Gly Gln Thr Asn Asn Ala Ala Ser Ala Ser Ala Ser Asn Ser			
119	420	425	430	
120	Thr			
124	<210> SEQ ID NO: 3			
125	<211> LENGTH: 20			
126	<212> TYPE: DNA			
127	<213> ORGANISM: Artificial Sequence			
129	<220> FEATURE:			
130	<223> OTHER INFORMATION: forward primer			
133	<400> SEQUENCE: 3			
134	ttccagggga tagtgtgtg	20		
136	<210> SEQ ID NO: 4			
137	<211> LENGTH: 20			
138	<212> TYPE: DNA			
139	<213> ORGANISM: Artificial Sequence			
141	<220> FEATURE:			
142	<223> OTHER INFORMATION: reverse primer			
145	<400> SEQUENCE: 4			
146	tttgctccct tggatgttgg	20		
148	<210> SEQ ID NO: 5			
149	<211> LENGTH: 30			
150	<212> TYPE: DNA			
151	<213> ORGANISM: Artificial Sequence			
153	<220> FEATURE:			
154	<223> OTHER INFORMATION: probe			
156	<400> SEQUENCE: 5			
157	tcaatggta gaaataatca aggtcctgg	30		

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/590,304

DATE: 09/01/2006

TIME: 11:58:15

Input Set : A:\004974.01216 sequence listing.txt
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L:15 M:270 C: Current Application Number differs, Replaced Current Application No
L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date